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App. Serial No.: 09/852,910
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1.-102. (Canceled).

103. (Currently amended) A two-screen method of assaying intracellular G protein coupled receptor (GPCR) signaling inhibition, which comprises:

(a) providing a first library comprising peptide members, wherein said library is a biased peptide library and wherein the primary sequences of said members are based on the primary sequence of the eleven carboxyl-terminal amino acids of a native G protein G α subunit that binds to said GPCR on the G protein binding domain of said GPCR obtained from a native G protein G α subunit which consists of SEQ ID NO:38;

(b) screening said peptide first library members for binding to said G protein binding domain of said GPCR, wherein said screening comprises a competitive binding assay performed in the presence of a first competitive peptide which consists of ~~the eleven carboxy-terminal amino acids of said native G protein G α subunit~~ SEQ ID NO:38, to identify high-affinity peptide first library members that bind to said GPCR G protein ~~the~~ binding domain with higher affinity than that of said first competitive peptide;

(c) selecting a high-affinity peptide first library member identified in (b);

(d) providing a second library of member compounds;

(e) screening said second library member compounds for binding to said GPCR G protein binding domain, wherein said screening is a competitive binding assay performed in the presence of a second competitive peptide which consists of said selected high affinity peptide first library member of (c), to

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determine whether a second library member compound binds to said GPCR G protein binding domain with equal or higher affinity than that of said second competitive peptide.

104. (Previously presented) A method of claim 103, wherein said screening of (b) further comprises an additional binding assay.

105. (Previously presented) A method of claim 103, wherein said peptide first library members are labeled to provide a signal to detect binding.

106. (Previously presented) A method of claim 103, wherein binding of a first library member to said GPCR G protein binding domain is detected by contacting said GPCR with a ligand that activates said GPCR and measuring activation of said GPCR in the presence and absence of said first library member.

107. (Previously presented) A method of claim 103, wherein said first library is a combinatorial peptide library.

108-109. (Canceled)